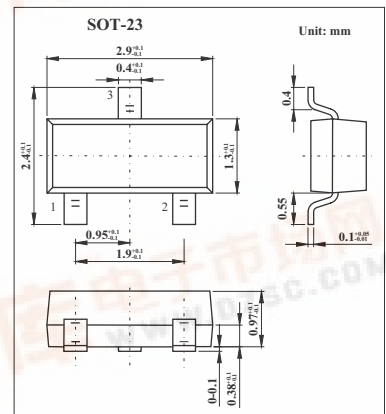


SMD Type Diodes

PIN Diode for VHF, UHF, AGC Applications
1SV251

■ Features

- Small-sized package facilitates high-density mounting and permits 1SV251-applied equipment to be made smaller.
- Small interterminal capacitance (C=0.23pF typ).
- Small forward series resistance (rs=4.5 Ω max).



■ Absolute Maximum Ratings Ta = 25 °C

Parameter	Symbol	Value	Unit
Reverse voltage	VR	50	V
Forward current	IF	50	mA
Allowable power dissipation	P	150	mW
Junction temperature	Tj	125	°C
Storage temperature	Tstg	-55 to +125	°C

■ Electrical Characteristics Ta = 25 °C

Parameter	Symbol	Conditions	Min	Typ	Max	Unit
Reverse voltage	VR	IR = 10 μ A	50			V
Reverse current	IR	VR = 50 V			0.1	μ A
Forward Voltage	VF	IF = 50 mA		0.92	4.5	V
Interterminal Capacitance	C	VR = 50 V, f = 1 MHz		0.23		pF
Series Resistance	rs	IF = 10 mA, f = 100MHZ				Ω

Note: The specifications shown above are for each individual diode.

■ Marking

Marking	GV
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